



What's New at the Alternative Fuels Data Center? February 2006

Listed below are new publications and other information recently made available through the U.S. Department of Energy's (DOE) Alternative Fuels Data Center (AFDC). The AFDC is sponsored by Clean Cities in the Office of Energy Efficiency and Renewable Energy (EERE) and is managed by the National Renewable Energy Laboratory (NREL). For more information, or if you would like to subscribe to this monthly update, contact Wendy Dafoe at wendy_dafoe@nrel.gov or 303-275-4470.

This update is posted on the web at www.eere.energy.gov/cleancities/toolbox/current_cutting.html.

News

On February 20, **EPA announced the recipients of the 2005 Clean School Bus USA grants.** Thirty-seven U.S. school districts were awarded \$7.5 million for projects to lower diesel emissions in school bus fleets. The goal of the program is to replace old diesel buses with those that run on clean fuels or retrofit the buses with emissions-control technology. To read about the awardees' projects, visit www.epa.gov/cleanschoolbus/demo_projects.htm#2005.

The **National Biodiesel Board recently announced the winners of its third annual "Eye on Biodiesel" Awards**, which recognize individuals and groups who have significantly advanced the board's mission of public education and industry growth. Among the winners were two faces familiar to the Clean Cities community. Bob McCormick, an engineer at the National Renewable Energy Laboratory, received an Innovation Award for conducting studies and writing articles and papers about biodiesel; and Jim Evanoff, Environmental Manager for Yellowstone National Park, received the Inspiration Award for furthering the park's commitment to biodiesel use. For more information, read the press release at www.nbb.org/resources/pressreleases/gen/20060208_EyeonBiodiesel.pdf.

Chrysler Group President and CEO, Tom LaSorda, recently announced that the company will endorse the use of B20 in model year 2007 Dodge Ram pickups used by U.S. military, government, and commercial fleet customers. This is not Chrysler's first biodiesel endorsement—the company currently offers the Jeep Liberty CRD, which comes fueled with B5.

To promote his Advanced Energy Initiative, President George W. Bush in late February visited Johnson Controls, a developer of advanced hybrid batteries; United Solar Ovonic, a solar cell manufacturer; and the National Renewable Energy Laboratory, a DOE research lab devoted to developing alternative energy technologies. During his visits, Bush discussed the promise of energy-efficient and petroleum-reducing technologies, such as hybrid vehicles and ethanol. To learn more, visit www.whitehouse.gov/stateoftheunion/2006/energy/index.html

Publications

Emission Testing of Washington Metropolitan Area Transit Authority (WMATA) Natural Gas and Diesel Transit Buses: This 40-page report features the emissions results of natural gas transit buses evaluated at WMATA. For more information, go to www.eere.energy.gov/afdc/pdfs/36355.pdf.

Hydrogen Infrastructure Transition Analysis: Paper identifies a minimum infrastructure that could support the introduction of hydrogen vehicles and develops and evaluates transition scenarios supported by this infrastructure. Visit www.eere.energy.gov/afdc/pdfs/38351.pdf.

Transitioning to a Hydrogen Future: Learning from the Alternative Fuels Experience: This document assesses the experiences of the alternative fuels community and recommends transitional strategies and tactics that will further the hydrogen transition in the transportation sector. Download it from www.eere.energy.gov/afdc/pdfs/39423.pdf.

Lessons Learned from Alternative Transportation Fuels: Paper focuses on understanding how analytical system modeling and data from AFV experiences could improve scientists' understanding of the dynamic forces governing the transition to a hydrogen future. Read it at www.eere.energy.gov/afdc/pdfs/39446.pdf.

Analysis of Coconut-Derived Biodiesel and Conventional Diesel Fuel Samples from the Philippines: This 102-page document details the results of a series of tests conducted on biodiesel by the National Renewable Energy Laboratory. The Executive Summary on 5 page of the pdf, summarizes the project nicely. For more information, go to www.eere.energy.gov/afdc/pdfs/38643.pdf.

Operational Evaluation of Emissions and Fuel Use of B20 Versus Diesel Fueled Dump Trucks: North Carolina Department of Transportation (NCDOT) conducted this study to assess emissions, fuel economy and vehicles operations for heavy and medium-duty diesel vehicles operating on B20. NCDOT use a portable emissions measurement system to conduct testing. The abstract on page 2 of the pdf, provides a good project outline. A more detailed 11-page Executive Summary starts on page 16 of the pdf. For the full report visit www.ncdot.org/doh/preconstruct/tpb/research/download/2004-18FinalReport.pdf.

Biomethane from Dairy Waste—A Sourcebook for the Production and Use of Renewable Natural Gas in California: Paper examines the feasibility of producing biomethane from dairy manure and explores technologies for producing renewable forms of energy and fuel from dairy wastes. The paper is available in sections or as a large single file. Visit www.suscon.org/news/biomethane_report/index.asp

Websites

The latest issue of **Clean Cities Now** is available online at www.eere.energy.gov/cleancities/ccn. Check it out for articles on the commercial status of plug-in hybrids, ethanol partnerships between fuel producers and automakers, state rulemaking on alternative fuels, PERC/Clean Cities grant award winners, and more.

Events

Early registration for the Clean Cities Congress ends March 24, so sign up now to receive the discounted rate. More importantly, the Wyndham Phoenix, the show hotel, is filling up fast. To ensure you are within walking distance of the Congress, reserve your room now. Mention "Clean Cities" to receive the show rate of \$129 a night for a single room. The Clean Cities Congress will run May 7-10, 2006, in Phoenix, Arizona. It is presented by the Alternative Fuel Vehicle Institute. For more information, visit www.afvi.org/PhoenixCongress2006.